

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/019538

**A. CLASSIFICATION OF SUBJECT MATTER**

Int.Cl<sup>7</sup> B01J23/745, 23/75, 23/755, 23/883, 35/02, 38/00, C01B31/02

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl<sup>7</sup> B01J21/00-38/74, C01B31/00-31/36

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho	1922-1996	Toroku Jitsuyo Shinan Koho	1994-2005
Kokai Jitsuyo Shinan Koho	1971-2005	Jitsuyo Shinan Toroku Koho	1996-2005

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 5-205542 A (Sumitomo Electric Industries, Ltd.), 13 August, 1993 (13.08.93), Claims 1 to 5 (Family: none)	1-15
A	JP 2003-3337 A (Noritake Ise Denshi Kabushiki Kaisha), 08 January, 2003 (08.01.03), Claims 1 to 3 (Family: none)	1-15
A	JP 2003-206118 A (Futaba Corp.), 22 July, 2003 (22.07.03), Claims 1 to 7 & WO 2003/059811 A1	1-15

Further documents are listed in the continuation of Box C.

See patent family annex.

<p>* Special categories of cited documents:</p> <p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier application or patent but published on or after the international filing date</p> <p>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p>	<p>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</p> <p>"&amp;" document member of the same patent family</p>
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Date of the actual completion of the international search  
04 April, 2005 (04.04.05)

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19 April, 2005 (19.04.05)

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